



Figure similar

SIPLUS S7-1200 CM 1243-2 based on 3RK7243-2AA30-0XB0 with conformal coating, -25...+70 °C, S7-1200, CM 1243-2 communications module AS-Interface master according to AS-i specification V3.0

| General technical data                            |    |                                                                   |
|---------------------------------------------------|----|-------------------------------------------------------------------|
| product designation                               |    | SIPLUS AS-Interface master                                        |
| product type designation                          |    | CM 1243-2                                                         |
| protection class IP                               |    | IP20                                                              |
| type of electrical connection of the AS-Interface |    | Screw-type connection                                             |
| type of voltage supply                            |    | via backplane bus                                                 |
| consumed current                                  |    |                                                                   |
| • from profile conductors of the AS-Interface     |    |                                                                   |
| — at 30 V maximum                                 | mA | 100                                                               |
| • from backplane bus maximum                      | mA | 250                                                               |
| power loss [W]                                    | W  | 2.9                                                               |
| insulation voltage rated value                    | V  | 500                                                               |
| product feature redundancy capability             |    | No                                                                |
| product function suitable for AS-i Power24V       |    | Yes                                                               |
| • note                                            |    | All product versions                                              |
| display version                                   |    |                                                                   |
| • as status display by LED                        |    | AS-i, PF, CM, CER, DIAG                                           |
| type of configuration of the AS-Interface         |    | With STEP7, command interface                                     |
| Communication/ Protocol                           |    |                                                                   |
| version of the AS-Interface specification         |    | V 3.0                                                             |
| AS-Interface master profile is supported          |    | M4 (in acc. with AS-interface specification V 3.0)                |
| type of data transmission                         |    | S7-1200 backplane bus                                             |
| number of units per CPU maximum                   |    | 3                                                                 |
| number of units per CPU maximum note              |    | Max. 3 communication modules in total (CM /CP)                    |
| number of interfaces                              |    |                                                                   |
| • as AS-Interface                                 |    | 1                                                                 |
| • according to USB                                |    | 0                                                                 |
| protocol is supported                             |    |                                                                   |
| • TCP/IP                                          |    | No                                                                |
| Inputs/ Outputs                                   |    |                                                                   |
| number of inputs for AS-Interface maximum         |    | 496                                                               |
| number of outputs for AS-Interface maximum        |    | 496                                                               |
| number of AS-i slaves per AS-Interface maximum    |    | 62                                                                |
| access to digital I/O data                        |    | via process image/peripheral addresses                            |
| access to analog I/O data                         |    | via process diagram/peripheral addresses and data record transfer |
| Mechanical data                                   |    |                                                                   |
| fastening method                                  |    | snap-on fastening on 35 mm DIN rail                               |
| module format                                     |    | S7-1200 design                                                    |

#### Ambient conditions

|                                                                                                                                                                                                          |    |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|
| <b>ambient temperature</b> <ul style="list-style-type: none"><li>• if installed on horizontal mounting rail during operation</li><li>• if installed on vertical mounting rail during operation</li></ul> | °C | 0 ... 55    |
|                                                                                                                                                                                                          | °C | -25 ... +70 |
| <b>installation altitude at height above sea level maximum</b>                                                                                                                                           | m  | 2 000       |

#### Safety related data

|                                                                                                                                                         |  |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|
| <b>explosion protection marking for intrinsic safety of related equipment</b> <ul style="list-style-type: none"><li>• EEx ia</li><li>• EEx ib</li></ul> |  | No<br>No |
| <b>explosion protection category for gas</b>                                                                                                            |  | none     |
| <b>explosion protection category for dust</b>                                                                                                           |  | none     |

#### Certificates/ approvals

|                          |                                |
|--------------------------|--------------------------------|
| General Product Approval | For use in hazardous locations |
|--------------------------|--------------------------------|

[Manufacturer Declaration](#)



[Miscellaneous](#)



#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6AG1243-2AA30-7XB0>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6AG1243-2AA30-7XB0>

##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/6AG1243-2AA30-7XB0>

##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=6AG1243-2AA30-7XB0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6AG1243-2AA30-7XB0&lang=en)

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